

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Permit to Construct and Temporary Permit to Operate (Section H)

This section consists of a table listing all individual Permits to Construct issued to various equipment at the facility. Each permit will list operating conditions, including periodic monitoring requirements and applicable emission limits and requirements. Also included are the rule origin and authority of each emission limit and permit condition.

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AT THIS FACILITY:

Application Number	Equipment Description	Page Number
347782	AFTERBURNER, DIRECT FLAME	4
411564	STORAGE TANK W/ EXT FLOAT ROOF GASOLINE NO. 80007	7
411616	STORAGE TANK W/ EXT FLOAT ROOF GASOLINE NO. 80010	9
416251	STORAGE TANK FX RFW/ INT FLT GASOLINE NO. 80073	11
416252	STORAGE TANK FX RFW/ INT FLT GASOLINE NO. 80074	16
416253	STORAGE TANK FX RFW/ INT FLT GASOLINE NO. 80075	21
416254	STORAGE TANK FX RFW/ INT FLT GASOLINE NO. 80076	26
416255	STORAGE TANK FX RFW/ INT FLT GASOLINE NO. 80077	31
416257	STORAGE TANK FX RFW/ INT FLT GASOLINE NO. 80078	36
416258	STORAGE TANK FX RFW/ INT FLT GASOLINE NO. 80079	41
416259	STORAGE TANK FX RFW/ INT FLT GASOLINE NO. 80080	46
416260	STORAGE TANK FX RFW/ INT FLT GASOLINE NO. 30081	51
426349	AFTERBURNER, DIRECT FLAME NO. 1	56
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427125	STORAGE TANK W/ EXT FLOAT RF MID DIS NO. 80009	62
446094	STORAGE TANK W/ EXT FLOAT ROOF GASOLINE NO. 80008	64
446095	STORAGE TANK W/ EXT FLOAT ROOF GASOLINE NO. 16041	66
446096	STORAGE TANK W/ EXT FLOAT ROOF GASOLINE NO. 80023	68
446894	STORAGE TANK W/ EXT FLOAT ROOF GASOLINE NO. 80011	70
446922	STORAGE TANK FX RF W/ INT FLT GASOLINE NO. 80085	72

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446923	STORAGE TANK FX RF W/ INT FLT GASOLINE NO. 80088	76
446926	STORAGE TANK FX RF W/ INT FLT GASOLINE NO. 80090	80
R-449620	AFTERBURNER, DIRECT FLAME NO. 1	84
R-449622	AFTERBURNER, DIRECT FLAME NO. 2	88
460377	STORAGE TANK FX RF W/ INT FLT GASOLINE NO. CT-16034	92
463461	STORAGE TANK W/ EXT FLOAT ROOF, DOMED NO. 80019	94
R-475765	GROUNDWATER TREATMENT SYSTEM REGEN. THERMAL OXIDIZER	96

NOTE: EQUIPMENT LISTED ABOVE ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT WILL NOT BE FOUND IN THIS TITLE V PERMIT.

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PERMIT TO CONSTRUCT

**A/N 347782
Granted 2/03/1999**

Equipment Description:

BULK TERMINAL NO. 1 VAPOR COLLECTION/BURNER/INCINERATION SYSTEM CONSISTING OF:

1. VAPOR COLLECTION UNIT WITH A LIQUID KNOCKOUT DRUM 3' DIA. X 7'6" H., AN INFLUENT DETONATION ARRESTOR, AND TWO 1.4 TO 50 H.P. VARIABLE FREQUENCY DRIVE VAPOR BLOWERS EQUIPPED WITH TANDEM SEALS WITH AN EXIT DETONATION ARRESTOR, COMMON TO INCINERATORS 1 AND 2 SERVING TANKS NO. 80001 THROUGH 80006, 80012, 80017, 80022, 80065, 150051, 150062, 100057 THROUGH 100061, 100063 AND 100064.
2. VAPOR RECOVERY HEADER SERVING TANKS 9548, 25050, 178013 THROUGH 178016, 178018 AND SERVING FIVE LOADING RACKS, COMMON TO INCINERATORS 1 AND 2
3. VAPOR BLADDER TANK WITH A VAPOR COMPRESSION/ ABSORPTION UNIT, COMMON TO INCINERATORS 1 AND 2
4. BURNER/ INCINERATOR NO. 1, DIRECT GAS FIRED, 12'-0" DIA. 40'-0"H., WITH FOUR TWO-STAGE BURNERS AND A CONTROL AND INSTRUMENTATION SYSTEM
5. TWO 22,000 CU. FT. GAS HOLDERS, WITH BLADDER HEIGHT MONITORING AND RECORDING SYSTEM, COMMON TO INCINERATORS 1 AND 2
6. CROSS-CONNECTION LINE AND SWITCHING VALVE TO NO. 2 INCINERATOR SYSTEM

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS INCINERATOR SHALL BE IN OPERATION DURING DEGASSING OR DRAIN-DRY/REFILLING OPERATION OF A TANK IT SERVES.
[RULE 1149]
4. KMLT SHALL MAINTAIN A SAMPLING AND TESTING FACILITY IN ACCORDANCE WITH RULE 217.
[RULE 217]

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5. ANNUAL SOURCE TEST SHALL BE CONDUCTED TO DETERMINE DESTRUCTION EFFICIENCY OF THE UNIT, ACCORDING TO DISTRICT APPROVED TEST PROTOCOL. THE TEST DATA SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS FROM THE DATE THE TEST WAS CONDUCTED.
[RULE 462, 1149, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
6. THIS VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD FOR A MAXIMUM GASOLINE THROUGHPUT FOR THE FIVE LOADING RACKS
[RULE 462]
7. BLADDER NO. 1 SHALL NOT EXCEED A HEIGHT OF 32'-11" FOR MORE THAN FIVE MINUTES UNLESS OTHERWISE APPROVED BY THE EXECUTIVE OFFICER IN WRITING.
[RULE 1303(a)(1)-BACT]

Periodic Monitoring:

8. THIS INCINERATOR SHALL BE OPERATED AT A TEMPERATURE OF 1000 DEGREES FAHRENHEIT OR GREATER. THE TEMPERATURE OF THE THERMAL OXIDIZER SHALL BE MONITORED AND RECORDED AS APPROVED BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]
9. THE OPERATOR SHALL INSTALL AND MAINTAIN THE THERMOCOUPLE AT A POSITION NOT LESS THAN 35 FEET ABOVEGROUND AND WITHIN THE EXHAUST STACK OF THE THERMAL OXIDIZER TO ACCURATELY MEASURE THE TEMPERATURE OF THE EXHAUST GAS.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]
10. THE OPERATOR SHALL INSTALL AND MAINTAIN A STRIP CHART RECORDER TO RECORD THE TEMPERATURE OF THE EXHAUST GASES IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPROVED RULE 462 PLAN (APPLICATION NO. 324310), UNLESS OTHERWISE NOTED BELOW. THE RANGE OF THE STRIP CHART RECORDER SHALL BE SET SUCH THAT THE REQUIRED TEMPERATURE OF THE THERMAL OXIDIZER IS BETWEEN 30% AND 90% FULL SCALE. A DIGITAL READOUT OF THE TEMPERATURE SHALL BE MAINTAINED IN A LOCATION ACCESSIBLE TO AQMD PERSONNEL.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]
11. THE OPERATOR SHALL ENSURE THAT THE THERMOCOUPLE/CHART RECORDER IS PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES AND MEETS ALL APPLICABLE REQUIREMENTS OF 40CFR63.427.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]
12. THE OPERATOR SHALL CALIBRATE THE THERMOCOUPLE/CHART RECORDER ONCE A YEAR, IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, SUCH THAT THE OVERALL ACCURACY IS WITHIN +/- 1% OR +/- 2 DEGREES CELSIUS, WHICHEVER IS GREATER.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]

Emissions and Requirements:

13. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

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CO:	2000 PPM, RULE 407
PM	RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM:	0.01 GRAINS/SCF, RULE 409
SOX:	500 PPMV, RULE 407
VOC:	0.08 LB/1000 GALLONS, RULE 462
VOC:	500 PPM, RULE 1149
TOC/VOC:	35 MG/L, 40 CFR 60 SUBPART XX
HAP/TOC:	10 MG/L, 40 CFR 63 SUBPART R
HAP/TOC:	40 CFR 63 SUBPART EEEE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 411564
Granted 1/20/2005**

Equipment Description:

MODIFICATION OF PERMIT NO. M17088 CONSISTING OF STORAGE TANK NO. 80007, GASOLINE, EXTERNAL FLOATING ROOF, RIVETED SHELL, 117'-2" DIA. X 42'-10" H., 80,000 BBL CAPACITY, WITH MECHANICAL SHOE PRIMARY SEAL, AND RIM MOUNTED SECONDARY SEAL

BY THE ADDITION OF A DOME ROOF

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS TANK SHALL BE NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 11 PSIA OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 1303(b)(2)-OFFSETS]
4. THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF SHALL NOT EXCEED 30% OF THE LOWER EXPLOSIVE LIMIT. THE OPERATOR SHALL MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE BY USING AN EXPLOSIMETER OR EQUIVALENT DEVICE AT LEAST TWICE A YEAR AT 4 – 8 MONTH INTERVALS.
[RULE 463, 1178]
5. FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE EQUIPMENT INSTALLED/CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS AFTER CONSTRUCTION IS COMPLETE.
[RULE 204]

Periodic Monitoring: NONE

Emissions and Requirements:

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
HAP/TOC:	40 CFR 63 SUBPART R (MAJOR SOURCES)

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 411616
Granted 1/20/2005**

Equipment Description:

MODIFICATION OF AN EXISTING STORAGE TANK PREVIOUSLY PERMITTED UNDER M17090
CONSISTING OF:

STORAGE TANK (NO. 80010), 117'-2"DIA. BY 42'-10" H., 80,000 BBL CAPACITY, RIVETED SHELL, DOUBLE DECK EXTERNAL FLOATING ROOF, WITH A MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM MOUNTED SECONDARY SEAL.

BY THE ADDITION OF A DOMED ROOF.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUIDS HAVING A VAPOR PRESSURE OF 569 MMHG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[1303(b)(2)-OFFSETS]
4. THE OPERATOR SHALL USE THE EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL ROOF TANK DOES NOT EXCEED 30 PERCENT OF THE LEL.
[RULE 463]
5. FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE EQUIPMENT INSTALLED/CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS AFTER CONSTRUCTION IS COMPLETE.
[RULE 204]

Periodic Monitoring: NONE

Emissions and Requirements:

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6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463
VOC: RULE 1149
VOC: RULE 1178
HAP/TOC: 40 CFR 63 SUBPART R (MAJOR SOURCES)

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PERMIT TO CONSTRUCT

**A/N 416251
Granted 5/20/2005**

Equipment Description:

STORAGE TANK NO. 80073, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, 1303(b)(2)-OFFSET, 1401]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 463, 1178]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING

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EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(b)(2)-OFFSET, 1401]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.
[RULE 1303(b)(2)-OFFSET, 1401]
7. THE OPERATOR SHALL NOT USE IN THIS EQUIPMENT PETROLEUM PRODUCTS CONTAINING ANY TOXIC AIR CONTAMINANTS (TAC) IDENTIFIED IN SCAQMD RULE 1401, AS AMENDED MAY 2, 2003 EXCEPT AS IDENTIFIED BELOW UP TO THE FOLLOWING CONTENT LIMIT. MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE USED TO COMPLY WITH THIS CONDITION.

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<u>Pollutant</u>	<u>CAS No.</u>	<u>Max. Liquid Content (wt%)</u>
Benzene	71-43-2	11%
Butadiene	106-99-0	0.1%
Cresol	1319-77-3	1%
Ethyl Benzene	100-41-4	4%
Hydrogen Fluoride	7664-39-3	1%
Hydrogen Sulfide	7783-06-4	1%
Methanol	67-56-1	5%
MTBE	1634-04-4	16%
Naphthalene	91-20-3	3%
n-Hexane	110-54-3	10%
Phenol	108-95-2	1%
Styrene	100-42-5	10%
Toluene	108-88-3	20%
Xylenes	1330-20-7	25%

[RULE 1401]

8. THE OPERATOR SHALL NOT STORE IN THIS EQUIPMENT DEMENNO/KERDOON MARINE DIESEL OIL.
 [RULE 402]
9. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
 [RULE 1149, RULE 1303(b)(2)-OFFSET, 1401]
10. ALL NEW VALVES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE OF LEAKLESS TYPE, EXCEPT AS APPROVED BY THE DISTRICT, IN THE FOLLOWING APPLICATIONS: HEAVY LIQUID SERVICE, CONTROL VALVE, INSTRUMENT PIPING/TUBING, APPLICATIONS REQUIRING TORSIONAL VALVE STEM MOTION, APPLICATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH VALVE STEMS IN HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATIONS WITH SPACE LIMITATIONS, AND VALVES NOT COMMERCIALY AVAILABLE.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, 1401]
11. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA

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SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS AND REASONS WHY LEAKLESS VALVES WERE NOT USED.

[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, 1401]

12. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, 1401]
13. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173]
14. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT. THIS CONDITION SHALL NOT APPLY TO LEAKLESS VALVES.
[RULE 1173]
15. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 500 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173]
16. FOR THE PURPOSE OF THIS CONDITION, LEAKLESS VALVE SHALL BE DEFINED AS ANY VALVE EQUIPPED WITH SEALED BELLOW OR EQUIVALENT AS APPROVED IN WRITING BY THE DISTRICT PRIOR TO INSTALLATION.
[RULE 1173, RULE 1303(a)(1)-BACT]
17. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET, 1401]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1173
VOC:	RULE 1178
VOC:	RULE 40 CFR 60 SUBPART Kb
HAP/TOC:	40 CFR 63 SUBPART R (MAJOR SOURCES)

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 416252
Granted 5/20/2005**

Equipment Description:

STORAGE TANK NO. 80074, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, RULE 1303(b)(2)-OFFSET]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1178, RULE 463]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 463, 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.

[RULE 1303(b)(2)-OFFSET]

7. THE OPERATOR SHALL NOT USE IN THIS EQUIPMENT PETROLEUM PRODUCTS CONTAINING ANY TOXIC AIR CONTAMINANTS (TAC) IDENTIFIED IN SCAQMD RULE 1401, AS AMENDED MAY 2, 2003 EXCEPT AS IDENTIFIED BELOW UP TO THE FOLLOWING CONTENT LIMIT. MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE USED TO COMPLY WITH THIS CONDITION.

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

<u>Pollutant</u>	<u>CAS No.</u>	<u>Max. Liquid Content (wt%)</u>
Benzene	71-43-2	11%
Butadiene	106-99-0	0.1%
Cresol	1319-77-3	1%
Ethyl Benzene	100-41-4	4%
Hydrogen Fluoride	7664-39-3	1%
Hydrogen Sulfide	7783-06-4	1%
Methanol	67-56-1	5%
MTBE	1634-04-4	16%
Naphthalene	91-20-3	3%
n-Hexane	110-54-3	10%
Phenol	108-95-2	1%
Styrene	100-42-5	10%
Toluene	108-88-3	20%
Xylenes	1330-20-7	25%

[RULE 1401]

8. THE OPERATOR SHALL NOT STORE IN THIS EQUIPMENT DEMENNO/KERDOON MARINE DIESEL OIL.
 [RULE 402]
9. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
 [RULE 1149, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE OF LEAKLESS TYPE, EXCEPT AS APPROVED BY THE DISTRICT, IN THE FOLLOWING APPLICATIONS: HEAVY LIQUID SERVICE, CONTROL VALVE, INSTRUMENT PIPING/TUBING, APPLICATIONS REQUIRING TORSIONAL VALVE STEM MOTION, APPLICATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH VALVE STEMS IN HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATIONS WITH SPACE LIMITATIONS, AND VALVES NOT COMMERCIALY AVAILABLE.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS AND REASONS WHY LEAKLESS VALVES WERE NOT USED.

[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

12. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
14. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT. THIS CONDITION SHALL NOT APPLY TO LEAKLESS VALVES.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
15. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 500 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
16. FOR THE PURPOSE OF THIS CONDITION, LEAKLESS VALVE SHALL BE DEFINED AS ANY VALVE EQUIPPED WITH SEALED BELLOW OR EQUIVALENT AS APPROVED IN WRITING BY THE DISTRICT PRIOR TO INSTALLATION.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
17. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
VOC:	RULE 40 CFR 60 SUBPART Kb
HAP/TOC:	RULE 40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 416253
Granted 5/20/2005**

Equipment Description:

STORAGE TANK NO. 80075, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, RULE 1303(A)(1)-BACT]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1178, RULE 463]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, RULE 463]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.
[RULE 1303(b)(2)-OFFSET]
7. THE OPERATOR SHALL NOT USE IN THIS EQUIPMENT PETROLEUM PRODUCTS CONTAINING ANY TOXIC AIR CONTAMINANTS (TAC) IDENTIFIED IN SCAQMD RULE 1401, AS AMENDED MAY 2, 2003 EXCEPT AS IDENTIFIED BELOW UP TO THE FOLLOWING CONTENT LIMIT. MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE USED TO COMPLY WITH THIS CONDITION.

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

<u>Pollutant</u>	<u>CAS No.</u>	<u>Max. Liquid Content (wt%)</u>
Benzene	71-43-2	11%
Butadiene	106-99-0	0.1%
Cresol	1319-77-3	1%
Ethyl Benzene	100-41-4	4%
Hydrogen Fluoride	7664-39-3	1%
Hydrogen Sulfide	7783-06-4	1%
Methanol	67-56-1	5%
MTBE	1634-04-4	16%
Naphthalene	91-20-3	3%
n-Hexane	110-54-3	10%
Phenol	108-95-2	1%
Styrene	100-42-5	10%
Toluene	108-88-3	20%
Xylenes	1330-20-7	25%

[RULE 1401]

8. THE OPERATOR SHALL NOT STORE IN THIS EQUIPMENT DEMENNO/KERDOON MARINE DIESEL OIL.
 [RULE 402]
9. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE OF LEAKLESS TYPE, EXCEPT AS APPROVED BY THE DISTRICT, IN THE FOLLOWING APPLICATIONS: HEAVY LIQUID SERVICE, CONTROL VALVE, INSTRUMENT PIPING/TUBING, APPLICATIONS REQUIRING TORSIONAL VALVE STEM MOTION, APPLICATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH VALVE STEMS IN HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATIONS WITH SPACE LIMITATIONS, AND VALVES NOT COMMERCIALY AVAILABLE.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS AND REASONS WHY LEAKLESS VALVES WERE NOT USED.

[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

12. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
14. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT. THIS CONDITION SHALL NOT APPLY TO LEAKLESS VALVES.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
15. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 500 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
16. FOR THE PURPOSE OF THIS CONDITION, LEAKLESS VALVE SHALL BE DEFINED AS ANY VALVE EQUIPPED WITH SEALED BELLOW OR EQUIVALENT AS APPROVED IN WRITING BY THE DISTRICT PRIOR TO INSTALLATION.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
17. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
VOC:	RULE 40 CFR 60 SUBPART Kb
HAP/TOC:	RULE 40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 416254
Granted 5/20/2005**

Equipment Description:

STORAGE TANK NO. 80076, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, RULE 1303(A)(1)-BACT]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1178, RULE 463]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, RULE 463]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.
[RULE 1303(b)(2)-OFFSET]
7. THE OPERATOR SHALL NOT USE IN THIS EQUIPMENT PETROLEUM PRODUCTS CONTAINING ANY TOXIC AIR CONTAMINANTS (TAC) IDENTIFIED IN SCAQMD RULE 1401, AS AMENDED MAY 2, 2003 EXCEPT AS IDENTIFIED BELOW UP TO THE FOLLOWING CONTENT LIMIT. MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE USED TO COMPLY WITH THIS CONDITION.

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

<u>Pollutant</u>	<u>CAS No.</u>	<u>Max. Liquid Content (wt%)</u>
Benzene	71-43-2	11%
Butadiene	106-99-0	0.1%
Cresol	1319-77-3	1%
Ethyl Benzene	100-41-4	4%
Hydrogen Fluoride	7664-39-3	1%
Hydrogen Sulfide	7783-06-4	1%
Methanol	67-56-1	5%
MTBE	1634-04-4	16%
Naphthalene	91-20-3	3%
n-Hexane	110-54-3	10%
Phenol	108-95-2	1%
Styrene	100-42-5	10%
Toluene	108-88-3	20%
Xylenes	1330-20-7	25%

[RULE 1401]

8. THE OPERATOR SHALL NOT STORE IN THIS EQUIPMENT DEMENNO/KERDOON MARINE DIESEL OIL.
 [RULE 402]
9. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE OF LEAKLESS TYPE, EXCEPT AS APPROVED BY THE DISTRICT, IN THE FOLLOWING APPLICATIONS: HEAVY LIQUID SERVICE, CONTROL VALVE, INSTRUMENT PIPING/TUBING, APPLICATIONS REQUIRING TORSIONAL VALVE STEM MOTION, APPLICATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH VALVE STEMS IN HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATIONS WITH SPACE LIMITATIONS, AND VALVES NOT COMMERCIALY AVAILABLE.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS AND REASONS WHY LEAKLESS VALVES WERE NOT USED.

[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

12. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
14. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT. THIS CONDITION SHALL NOT APPLY TO LEAKLESS VALVES.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
15. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 500 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
16. FOR THE PURPOSE OF THIS CONDITION, LEAKLESS VALVE SHALL BE DEFINED AS ANY VALVE EQUIPPED WITH SEALED BELLOW OR EQUIVALENT AS APPROVED IN WRITING BY THE DISTRICT PRIOR TO INSTALLATION.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
17. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
VOC:	RULE 40 CFR 60 SUBPART Kb
HAP/TOC:	RULE 40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 416255
Granted 5/20/2005**

Equipment Description:

STORAGE TANK NO. 80077, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, RULE 1303(A)(1)-BACT]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1178, RULE 463]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, RULE 463]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.
[RULE 1303(b)(2)-OFFSET]
7. THE OPERATOR SHALL NOT USE IN THIS EQUIPMENT PETROLEUM PRODUCTS CONTAINING ANY TOXIC AIR CONTAMINANTS (TAC) IDENTIFIED IN SCAQMD RULE 1401, AS AMENDED MAY 2, 2003 EXCEPT AS IDENTIFIED BELOW UP TO THE FOLLOWING CONTENT LIMIT. MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE USED TO COMPLY WITH THIS CONDITION.

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

<u>Pollutant</u>	<u>CAS No.</u>	<u>Max. Liquid Content (wt%)</u>
Benzene	71-43-2	11%
Butadiene	106-99-0	0.1%
Cresol	1319-77-3	1%
Ethyl Benzene	100-41-4	4%
Hydrogen Fluoride	7664-39-3	1%
Hydrogen Sulfide	7783-06-4	1%
Methanol	67-56-1	5%
MTBE	1634-04-4	16%
Naphthalene	91-20-3	3%
n-Hexane	110-54-3	10%
Phenol	108-95-2	1%
Styrene	100-42-5	10%
Toluene	108-88-3	20%
Xylenes	1330-20-7	25%

[RULE 1401]

8. THE OPERATOR SHALL NOT STORE IN THIS EQUIPMENT DEMENNO/KERDOON MARINE DIESEL OIL.
[RULE 402]
9. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE OF LEAKLESS TYPE, EXCEPT AS APPROVED BY THE DISTRICT, IN THE FOLLOWING APPLICATIONS: HEAVY LIQUID SERVICE, CONTROL VALVE, INSTRUMENT PIPING/TUBING, APPLICATIONS REQUIRING TORSIONAL VALVE STEM MOTION, APPLICATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH VALVE STEMS IN HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATIONS WITH SPACE LIMITATIONS, AND VALVES NOT COMMERCIALY AVAILABLE.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS AND REASONS WHY LEAKLESS VALVES WERE NOT USED.

[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

12. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
14. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT. THIS CONDITION SHALL NOT APPLY TO LEAKLESS VALVES.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
15. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 500 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
16. FOR THE PURPOSE OF THIS CONDITION, LEAKLESS VALVE SHALL BE DEFINED AS ANY VALVE EQUIPPED WITH SEALED BELLOW OR EQUIVALENT AS APPROVED IN WRITING BY THE DISTRICT PRIOR TO INSTALLATION.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
17. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
VOC:	RULE 40 CFR 60 SUBPART Kb
HAP/TOC:	RULE 40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 416257
Granted 5/20/2005**

Equipment Description:

STORAGE TANK NO. 80078, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, RULE 1303(A)(1)-BACT]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1178, RULE 463]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, RULE 463]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.

[RULE 1303(b)(2)-OFFSET]

7. THE OPERATOR SHALL NOT USE IN THIS EQUIPMENT PETROLEUM PRODUCTS CONTAINING ANY TOXIC AIR CONTAMINANTS (TAC) IDENTIFIED IN SCAQMD RULE 1401, AS AMENDED MAY 2, 2003 EXCEPT AS IDENTIFIED BELOW UP TO THE FOLLOWING CONTENT LIMIT. MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE USED TO COMPLY WITH THIS CONDITION.

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

<u>Pollutant</u>	<u>CAS No.</u>	<u>Max. Liquid Content (wt%)</u>
Benzene	71-43-2	11%
Butadiene	106-99-0	0.1%
Cresol	1319-77-3	1%
Ethyl Benzene	100-41-4	4%
Hydrogen Fluoride	7664-39-3	1%
Hydrogen Sulfide	7783-06-4	1%
Methanol	67-56-1	5%
MTBE	1634-04-4	16%
Naphthalene	91-20-3	3%
n-Hexane	110-54-3	10%
Phenol	108-95-2	1%
Styrene	100-42-5	10%
Toluene	108-88-3	20%
Xylenes	1330-20-7	25%

[RULE 1401]

8. THE OPERATOR SHALL NOT STORE IN THIS EQUIPMENT DEMENNO/KERDOON MARINE DIESEL OIL.
 [RULE 402]
9. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE OF LEAKLESS TYPE, EXCEPT AS APPROVED BY THE DISTRICT, IN THE FOLLOWING APPLICATIONS: HEAVY LIQUID SERVICE, CONTROL VALVE, INSTRUMENT PIPING/TUBING, APPLICATIONS REQUIRING TORSIONAL VALVE STEM MOTION, APPLICATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH VALVE STEMS IN HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATIONS WITH SPACE LIMITATIONS, AND VALVES NOT COMMERCIALY AVAILABLE.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS AND REASONS WHY LEAKLESS VALVES WERE NOT USED.

[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

12. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
14. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT. THIS CONDITION SHALL NOT APPLY TO LEAKLESS VALVES.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
15. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 500 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
16. FOR THE PURPOSE OF THIS CONDITION, LEAKLESS VALVE SHALL BE DEFINED AS ANY VALVE EQUIPPED WITH SEALED BELLOW OR EQUIVALENT AS APPROVED IN WRITING BY THE DISTRICT PRIOR TO INSTALLATION.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
17. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
VOC:	RULE 40 CFR 60 SUBPART Kb
HAP/TOC:	RULE 40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 416258
Granted 5/20/2005**

Equipment Description:

STORAGE TANK NO. 80079, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, RULE 1303(a)(1)-BACT]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1178, RULE 463]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, RULE 463]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.
[RULE 1303(b)(2)-OFFSET]
7. THE OPERATOR SHALL NOT USE IN THIS EQUIPMENT PETROLEUM PRODUCTS CONTAINING ANY TOXIC AIR CONTAMINANTS (TAC) IDENTIFIED IN SCAQMD RULE 1401, AS AMENDED MAY 2, 2003 EXCEPT AS IDENTIFIED BELOW UP TO THE FOLLOWING CONTENT LIMIT. MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE USED TO COMPLY WITH THIS CONDITION.

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<u>Pollutant</u>	<u>CAS No.</u>	<u>Max. Liquid Content (wt%)</u>
Benzene	71-43-2	11%
Butadiene	106-99-0	0.1%
Cresol	1319-77-3	1%
Ethyl Benzene	100-41-4	4%
Hydrogen Fluoride	7664-39-3	1%
Hydrogen Sulfide	7783-06-4	1%
Methanol	67-56-1	5%
MTBE	1634-04-4	16%
Naphthalene	91-20-3	3%
n-Hexane	110-54-3	10%
Phenol	108-95-2	1%
Styrene	100-42-5	10%
Toluene	108-88-3	20%
Xylenes	1330-20-7	25%

[RULE 1401]

8. THE OPERATOR SHALL NOT STORE IN THIS EQUIPMENT DEMENNO/KERDOON MARINE DIESEL OIL.
[RULE 402]
9. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE OF LEAKLESS TYPE, EXCEPT AS APPROVED BY THE DISTRICT, IN THE FOLLOWING APPLICATIONS: HEAVY LIQUID SERVICE, CONTROL VALVE, INSTRUMENT PIPING/TUBING, APPLICATIONS REQUIRING TORSIONAL VALVE STEM MOTION, APPLICATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH VALVE STEMS IN HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATIONS WITH SPACE LIMITATIONS, AND VALVES NOT COMMERCIALY AVAILABLE.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS AND REASONS WHY LEAKLESS VALVES WERE NOT USED.

[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

12. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
14. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT. THIS CONDITION SHALL NOT APPLY TO LEAKLESS VALVES.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
15. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 500 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
16. FOR THE PURPOSE OF THIS CONDITION, LEAKLESS VALVE SHALL BE DEFINED AS ANY VALVE EQUIPPED WITH SEALED BELLOW OR EQUIVALENT AS APPROVED IN WRITING BY THE DISTRICT PRIOR TO INSTALLATION.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
17. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
VOC:	RULE 40 CFR 60 SUBPART Kb
HAP/TOC:	RULE 40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 416259
Granted 5/20/2005**

Equipment Description:

STORAGE TANK NO. 80080, 115' DIA. BY 50' HIGH, 80,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, RULE 1303(A)(1)-BACT]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1178, RULE 463]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, RULE 463]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.
[RULE 1303(b)(2)-OFFSET]
7. THE OPERATOR SHALL NOT USE IN THIS EQUIPMENT PETROLEUM PRODUCTS CONTAINING ANY TOXIC AIR CONTAMINANTS (TAC) IDENTIFIED IN SCAQMD RULE 1401, AS AMENDED MAY 2, 2003 EXCEPT AS IDENTIFIED BELOW UP TO THE FOLLOWING CONTENT LIMIT. MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE USED TO COMPLY WITH THIS CONDITION.

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

<u>Pollutant</u>	<u>CAS No.</u>	<u>Max. Liquid Content (wt%)</u>
Benzene	71-43-2	11%
Butadiene	106-99-0	0.1%
Cresol	1319-77-3	1%
Ethyl Benzene	100-41-4	4%
Hydrogen Fluoride	7664-39-3	1%
Hydrogen Sulfide	7783-06-4	1%
Methanol	67-56-1	5%
MTBE	1634-04-4	16%
Naphthalene	91-20-3	3%
n-Hexane	110-54-3	10%
Phenol	108-95-2	1%
Styrene	100-42-5	10%
Toluene	108-88-3	20%
Xylenes	1330-20-7	25%

[RULE 1401]

8. THE OPERATOR SHALL NOT STORE IN THIS EQUIPMENT DEMENNO/KERDOON MARINE DIESEL OIL.
 [RULE 402]
9. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE OF LEAKLESS TYPE, EXCEPT AS APPROVED BY THE DISTRICT, IN THE FOLLOWING APPLICATIONS: HEAVY LIQUID SERVICE, CONTROL VALVE, INSTRUMENT PIPING/TUBING, APPLICATIONS REQUIRING TORSIONAL VALVE STEM MOTION, APPLICATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH VALVE STEMS IN HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATIONS WITH SPACE LIMITATIONS, AND VALVES NOT COMMERCIALY AVAILABLE.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS AND REASONS WHY LEAKLESS VALVES WERE NOT USED.

[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

12. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
14. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT. THIS CONDITION SHALL NOT APPLY TO LEAKLESS VALVES.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
15. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 500 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
16. FOR THE PURPOSE OF THIS CONDITION, LEAKLESS VALVE SHALL BE DEFINED AS ANY VALVE EQUIPPED WITH SEALED BELLOW OR EQUIVALENT AS APPROVED IN WRITING BY THE DISTRICT PRIOR TO INSTALLATION.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
17. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
VOC:	RULE 40 CFR 60 SUBPART Kb
HAP/TOC:	RULE 40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 416260
Granted 5/20/2005**

Equipment Description:

STORAGE TANK NO. 30081, 80' DIA. BY 40' HIGH, 30,000 BBL CAPACITY, WELDED SHELL, PONTOON-TYPE INTERNAL FLOATING ROOF, WITH CATEGORY A LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL, CATEGORY A RIM-MOUNTED FLEX-A-SEAL SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING DRAIN-DRY/REFILLING OR DEGASSING OPERATION MODE OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT OR OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, RULE 1303(A)(1)-BACT]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION TWICE PER YEAR AT 4 TO 8 MONTH INTERVALS. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 1178, RULE 463]
5. THE OPERATOR SHALL LIMIT THE THROUGHPUT TO NO MORE THAN THE 150,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS NOT TO EXCEED A TRUE VAPOR PRESSURE OF 11.0 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES.

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET, RULE 463]

6. THE OPERATOR SHALL LIMIT THE NUMBER OF DRAIN-DRY ACTIVITIES IN THIS EQUIPMENT TO SIXTY (60) PER YEAR. DRAIN-DRY ACTIVITIES IS DEFINED AS ANY OPERATION MODE WHERE THE TANK IS DRAINED TO THE POINT WHERE THE FLOATING ROOF RESTS ON ITS LEGS AND IS THEN REFLOATED WITH PRODUCT WITHOUT FIRST CLEANING THE TANK PURSUANT TO RULE 1149.
[RULE 1303(b)(2)-OFFSET]
7. THE OPERATOR SHALL NOT USE IN THIS EQUIPMENT PETROLEUM PRODUCTS CONTAINING ANY TOXIC AIR CONTAMINANTS (TAC) IDENTIFIED IN SCAQMD RULE 1401, AS AMENDED MAY 2, 2003 EXCEPT AS IDENTIFIED BELOW UP TO THE FOLLOWING CONTENT LIMIT. MATERIAL SAFETY DATA SHEETS (MSDS) SHALL BE USED TO COMPLY WITH THIS CONDITION.

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

<u>Pollutant</u>	<u>CAS No.</u>	<u>Max. Liquid Content (wt%)</u>
Benzene	71-43-2	11%
Butadiene	106-99-0	0.1%
Cresol	1319-77-3	1%
Ethyl Benzene	100-41-4	4%
Hydrogen Fluoride	7664-39-3	1%
Hydrogen Sulfide	7783-06-4	1%
Methanol	67-56-1	5%
MTBE	1634-04-4	16%
Naphthalene	91-20-3	3%
n-Hexane	110-54-3	10%
Phenol	108-95-2	1%
Styrene	100-42-5	10%
Toluene	108-88-3	20%
Xylenes	1330-20-7	25%

[RULE 1401]

8. THE OPERATOR SHALL NOT STORE IN THIS EQUIPMENT DEMENNO/KERDOON MARINE DIESEL OIL.
 [RULE 402]
9. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR ANY OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST TWO YEARS AND BE MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF THE OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE OF LEAKLESS TYPE, EXCEPT AS APPROVED BY THE DISTRICT, IN THE FOLLOWING APPLICATIONS: HEAVY LIQUID SERVICE, CONTROL VALVE, INSTRUMENT PIPING/TUBING, APPLICATIONS REQUIRING TORSIONAL VALVE STEM MOTION, APPLICATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G. DRAIN VALVES WITH VALVE STEMS IN HORIZONTAL POSITION), RETROFITS/SPECIAL APPLICATIONS WITH SPACE LIMITATIONS, AND VALVES NOT COMMERCIALY AVAILABLE.
 [RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
11. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS AND REASONS WHY LEAKLESS VALVES WERE NOT USED.

[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

12. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
14. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 500 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT. THIS CONDITION SHALL NOT APPLY TO LEAKLESS VALVES.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
15. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 500 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
16. FOR THE PURPOSE OF THIS CONDITION, LEAKLESS VALVE SHALL BE DEFINED AS ANY VALVE EQUIPPED WITH SEALED BELLOW OR EQUIVALENT AS APPROVED IN WRITING BY THE DISTRICT PRIOR TO INSTALLATION.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
17. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
VOC:	RULE 40 CFR 60 SUBPART Kb
HAP/TOC:	RULE 40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 426349
Granted 1/06/2005**

Equipment Description:

MODIFICATION OF BULK TERMINAL NO. 1 VAPOR COLLECTION/BURNER/INCINERATION SYSTEM
(PREVIOUSLY PERMITTED UNDER P/C 347782) CONSISTING OF:

1. VAPOR COLLECTION UNIT WITH A LIQUID KNOCKOUT DRUM 3' DIA. X 7'6" H., AN INFLUENT DETONATION ARRESTOR, AND TWO 1.4 TO 50 H.P. VARIABLE FREQUENCY DRIVE VAPOR BLOWERS EQUIPPED WITH TANDEM SEALS WITH AN EXIT DETONATION ARRESTOR, COMMON TO INCINERATORS 1 AND 2 SERVING TANKS NO. 80001 THROUGH 80006, 80012, 80017, 80022, 80065, 150051, 150062, 100057 THROUGH 100061, 100063 AND 100064.
2. VAPOR RECOVERY HEADER SERVING TANKS 9548, 25050, 178013 THROUGH 178016, 178018 AND SERVING FIVE LOADING RACKS, COMMON TO INCINERATORS 1 AND 2
3. VAPOR BLADDER TANK WITH A VAPOR COMPRESSION/ ABSORPTION UNIT, COMMON TO INCINERATOR 1 AND 2
4. BURNER/ INCINERATOR NO. 1, ENVIROPRO, FIRED ONLY ON VENT GAS FROM VAPOR HOLDING TANK, 12'-0" DIA. 40'-0"H., WITH FOUR TWO-STAGE BURNERS OPERATING IN PRIMARY STAGE ONLY, A CONTROL AND INSTRUMENTATION SYSTEM, PROPANE FIRED PILOTS
5. TWO 22,000 CU. FT. GAS HOLDERS, WITH BLADDER HEIGHT MONITORING AND RECORDING SYSTEM, COMMON TO INCINERATOR 1 AND 2
6. CROSS-CONNECTION LINE AND SWITCHING VALVE TO NO. 2 INCINERATOR SYSTEM

BY THE ADDITION OF

VAPOR COLLECTION UNIT WITH A LIQUID KNOCKOUT DRUM 3' DIA. X 7'6" H., AN INFLUENT DETONATION ARRESTOR, AND TWO 1.4 TO 50 H.P. VARIABLE FREQUENCY DRIVE VAPOR BLOWERS EQUIPPED WITH TANDEM SEALS WITH AN EXIT DETONATION ARRESTOR, COMMON TO INCINERATORS 1 AND 2 SERVING TANKS NO. 80073 THROUGH 80080, AND 30081.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

3. THIS EQUIPMENT SHALL VENT NO MORE THAN TWO TANKS IN DRAIN-DRY/REFILLING OR DEGASSING OPERATION AT ANY ONE TIME.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
4. THIS INCINERATOR SHALL BE IN OPERATION DURING DEGASSING OR DRAIN-DRY/REFILLING OPERATION OF A TANK IT SERVES.
[RULE 1149]
5. THE OPERATOR SHALL LIMIT THE FLOW RATE OF THE VENT GASES TO THIS EQUIPMENT TO NO MORE THAN THE AMOUNT SPECIFIED BELOW.

INCINERATOR	STD CU. FT/ MIN
NO. 1	2,100
NO. 2	600

TO COMPLY WITH THIS CONDITION, THE OPERATOR SHALL INSTALL, MAINTAIN AND OPERATE A FLOW METER TO MONITOR AND RECORD THE FLOW RATE OF THE GASES SENT TO THE INCINERATOR AT LEAST ONCE EVERY MINUTE.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

6. KMLT SHALL MAINTAIN A SAMPLING AND TESTING FACILITY IN ACCORDANCE WITH RULE 217.
[RULE 217]
7. ANNUAL SOURCE TEST SHALL BE CONDUCTED TO DETERMINE DESTRUCTION EFFICIENCY OF THE UNIT, ACCORDING TO DISTRICT APPROVED TEST PROTOCOL. THE TEST DATA SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS FROM THE DATE THE TEST WAS CONDUCTED.
[RULE 1149, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
8. THIS VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD FOR A MAXIMUM GASOLINE THROUGHPUT FOR THE FIVE LOADING RACKS
[RULE 462]
9. FOR BLADDER NOS. 1 AND 2, THE HEIGHT OF EACH BLADDER SHALL NOT EXCEED 32'-11" FOR MORE THAN FIVE MINUTES OR OTHER MAXIMUM HEIGHT AS SPECIFIED BY THE EXECUTIVE OFFICER IN WRITING. BLADDER HEIGHTS SHALL BE MONITORED AND RECORDED AS APPROVED BY THE EXECUTIVE OFFICER.
[RULE 204]
10. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE CONDITIONS IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 3004(a)(4)-PERIODIC MONITORING]

Periodic Monitoring:

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

11. THIS INCINERATOR SHALL BE OPERATED AT A TEMPERATURE OF 1200 DEGREES FAHRENHEIT OR GREATER. THE TEMPERATURE OF THE INCINERATOR SHALL BE MONITORED AND RECORDED AS APPROVED BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]

Emissions and Requirements:

12. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

CO:	2000 PPM, RULE 407
PM	RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM:	0.01 GRAINS/SCF, RULE 409
SOX:	500 PPMV, RULE 407
VOC:	0.08 LB/1000 GALLONS, RULE 462
VOC:	500 PPM, RULE 1149
TOC/VOC:	35 MG/L, 40 CFR 60 SUBPART XX
HAP/TOC:	10 MG/L, 40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 426350
Granted 1/06/2005**

Equipment Description:

MODIFICATION OF BULK TERMINAL NO. 2 VAPOR COLLECTION/BURNER/INCINERATION SYSTEM (PREVIOUSLY PERMITTED UNDER P/O F37275) CONSISTING OF:

1. VAPOR COLLECTION UNIT WITH A LIQUID KNOCKOUT DRUM 3' DIA. X 7'6" H., AN INFLUENT DETONATION ARRESTOR, AND TWO 1.4 TO 50 H.P. VARIABLE FREQUENCY DRIVE VAPOR BLOWERS EQUIPPED WITH TANDEM SEALS WITH AN EXIT DETONATION ARRESTOR, COMMON TO INCINERATORS 1 AND 2 SERVING TANKS NO. 80001 THROUGH 80006, 80012, 80017, 80022, 80065, 150051, 150062, 100057 THROUGH 100061, 100063 AND 100064.
2. VAPOR RECOVERY HEADER SERVING TANKS 9548, 25050, 178013 THROUGH 178016, 178018 AND SERVING FIVE LOADING RACKS, COMMON TO INCINERATORS 1 AND 2
3. VAPOR BLADDER TANK WITH A VAPOR COMPRESSION/ ABSORPTION UNIT, COMMON TO INCINERATOR 1 AND 2
4. BURNER/ INCINERATOR NO. 2, ENVIROPRO, FIRED ONLY ON VENT GAS FROM VAPOR HOLDING TANK, 12'-0" DIA. 40'-0"H., WITH FOUR TWO-STAGE BURNERS OPERATING IN PRIMARY STAGE ONLY, A CONTROL AND INSTRUMENTATION SYSTEM, PROPANE FIRED PILOTS
5. TWO 22,000 CU. FT. GAS HOLDERS, WITH BLADDER HEIGHT MONITORING AND RECORDING SYSTEM, COMMON TO INCINERATOR 1 AND 2
6. CROSS-CONNECTION LINE AND SWITCHING VALVE TO NO. 1 INCINERATOR SYSTEM

BY THE ADDITION OF

VAPOR COLLECTION UNIT WITH A LIQUID KNOCKOUT DRUM 3' DIA. X 7'6" H., AN INFLUENT DETONATION ARRESTOR, AND TWO 1.4 TO 50 H.P. VARIABLE FREQUENCY DRIVE VAPOR BLOWERS EQUIPPED WITH TANDEM SEALS WITH AN EXIT DETONATION ARRESTOR, COMMON TO INCINERATORS 1 AND 2 SERVING TANKS NO. 80073 THROUGH 80080, AND 30081.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

3. THIS EQUIPMENT SHALL VENT NO MORE THAN TWO TANKS IN DRAIN-DRY/REFILLING OR DEGASSING OPERATION AT ANY ONE TIME.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
4. THIS INCINERATOR SHALL BE IN OPERATION DURING DEGASSING OR DRAIN-DRY/REFILLING OPERATION OF A TANK IT SERVES.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
5. THE OPERATOR SHALL LIMIT THE FLOW RATE OF THE VENT GASES TO THIS EQUIPMENT TO NO MORE THAN THE AMOUNT SPECIFIED BELOW.

INCINERATOR	STD CU. FT/ MIN
NO. 1	2,100
NO. 2	600

TO COMPLY WITH THIS CONDITION, THE OPERATOR SHALL INSTALL, MAINTAIN AND OPERATE A FLOW METER TO MONITOR AND RECORD THE FLOW RATE OF THE GASES SENT TO THE INCINERATOR AT LEAST ONCE EVERY MINUTE.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]

6. KMLT SHALL MAINTAIN A SAMPLING AND TESTING FACILITY IN ACCORDANCE WITH RULE 217.
[RULE 217]
7. ANNUAL SOURCE TEST SHALL BE CONDUCTED TO DETERMINE DESTRUCTION EFFICIENCY OF THE UNIT, ACCORDING TO DISTRICT APPROVED TEST PROTOCOL. THE TEST DATA SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS FROM THE DATE THE TEST WAS CONDUCTED.
[RULE 1149, RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
8. THIS VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD FOR A MAXIMUM GASOLINE THROUGHPUT FOR THE FIVE LOADING RACKS
[RULE 462]
9. FOR BLADDER NOS. 1 AND 2, THE HEIGHT OF EACH BLADDER SHALL NOT EXCEED 32'-11" FOR MORE THAN FIVE MINUTES OR OTHER MAXIMUM HEIGHT AS SPECIFIED BY THE EXECUTIVE OFFICER IN WRITING. BLADDER HEIGHTS SHALL BE MONITORED AND RECORDED AS APPROVED BY THE EXECUTIVE OFFICER.
[RULE 204]
10. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE CONDITIONS IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 3004(a)(4)-PERIODIC MONITORING]

Periodic Monitoring:

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

11. THIS INCINERATOR SHALL BE OPERATED AT A TEMPERATURE OF 1200 DEGREES FAHRENHEIT OR GREATER. THE TEMPERATURE OF THE INCINERATOR SHALL BE MONITORED AND RECORDED AS APPROVED BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]

Emissions and Requirements:

12. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

CO:	2000 PPM, RULE 407
PM	RULE 404, SEE APPENDIX B FOR EMISSION LIMITS
PM:	0.01 GRAINS/SCF, RULE 409
SOX:	500 PPMV, RULE 407
VOC:	0.08 LB/1000 GALLONS, RULE 462
VOC:	500 PPM, RULE 1149
TOC/VOC:	35 MG/L, 40 CFR 60 SUBPART XX
HAP/TOC:	10 MG/L, 40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 427125
Granted 5/20/2005**

Equipment Description:

MODIFICATION OF AN EXISTING STORAGE TANK PREVIOUSLY PERMITTED UNDER P/O M14794
CONSISTING OF:

STORAGE TANK (NO. 80009), 117'-2"DIA. BY 41'-10" H., 80,000 BBL CAPACITY, RIVETED SHELL, DOUBLE DECK EXTERNAL FLOATING ROOF, WITH A CATEGORY A MECHANICAL SHOE TYPE PRIMARY SEAL, A CATEGORY B OR BETTER RIM MOUNTED SECONDARY SEAL, AND A GUIDEPOLE WITH GASKETED COVER, POLE WIPER, POLE SLEEVE, POLE FLOAT AND POLE FLOAT WIPER, SLOTTED.

BY THE ADDITION OF A DOMED ROOF.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE EQUIPMENT INSTALLED/CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS AFTER CONSTRUCTION IS COMPLETE.
[RULE 1178]
4. RECORDS OF THRUPUT AND VAPOR PRESSURE SHALL BE MAINTAINED FOR FIVE YEARS AND MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
[RULE 463, 40 CFR 63 SUBPART R]

Periodic Monitoring: NONE

Emissions and Requirements:

5. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463

**FACILITY PERMIT TO OPERATE
KINDER MORGAN LIQUID TERMINALS, LLC**

VOC: RULE 1149
VOC: RULE 1178
HAP/TOC: 40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 446094
Granted 10/06/2005**

Equipment Description:

MODIFICATION OF AN EXISTING STORAGE TANK PREVIOUSLY PERMITTED UNDER P/O M14790
CONSISTING OF:

STORAGE TANK (NO. 80008), 117'-2"DIA. BY 41'-10" H., 80,000 BBL CAPACITY, RIVETED SHELL, DOUBLE DECK EXTERNAL FLOATING ROOF, WITH A METALLIC SHOE PRIMARY SEAL, A RIM MOUNTED WIPER TYPE SECONDARY SEAL, AND A GUIDEPOLE WITH GASKETED COVER, POLE WIPER, POLE SLEEVE, POLE FLOAT AND POLE FLOAT WIPER, SLOTTED.

BY THE ADDITION OF A DOMED ROOF.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE OPERATOR SHALL USE THE EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LEL.
[RULE 463, 1178]
4. FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE EQUIPMENT INSTALLED/CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS AFTER CONSTRUCTION IS COMPLETE.
[RULE 1178]
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE CONDITIONS IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463, 1178, 40 CFR 63 SUBPART R]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Periodic Monitoring: NONE

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
HAP/TOC:	40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 446095
Granted 10/06/2005**

Equipment Description:

MODIFICATION OF AN EXISTING STORAGE TANK PREVIOUSLY PERMITTED UNDER P/O M12938
CONSISTING OF:

STORAGE TANK (NO. 16041), 50' DIA. BY 48' H., 16,000 BBL CAPACITY, RIVETED SHELL, DOUBLE DECK
EXTERNAL FLOATING ROOF, WITH A METALLIC SHOE PRIMARY SEAL, A RIM MOUNTED WIPER TYPE
SECONDARY SEAL, AND A GUIDEPOLE WITH GASKETED COVER, POLE WIPER, POLE SLEEVE, POLE
FLOAT AND POLE FLOAT WIPER, SLOTTED.

BY THE ADDITION OF A DOMED ROOF.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA
AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS
ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING
CONDITION AT ALL TIMES.
[RULE 204]
3. THE OPERATOR SHALL USE THE EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON
CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF DOES NOT EXCEED 30
PERCENT OF THE LEL.
[RULE 463, 1178]
4. FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE EQUIPMENT INSTALLED/CONSTRUCTED
SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS AFTER CONSTRUCTION IS
COMPLETE.
[RULE 1178]
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE
CONDITIONS IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR
AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS
AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463, 1178, 40 CFR 63 SUBPART R]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Periodic Monitoring: NONE

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
HAP/TOC:	40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 446096
Granted 3/08/2006**

Equipment Description:

MODIFICATION OF AN EXISTING STORAGE TANK PREVIOUSLY PERMITTED UNDER P/O M14789
CONSISTING OF:

STORAGE TANK (NO. 80023), 117'-2"DIA. BY 41'-10" H., 80,000 BBL CAPACITY, RIVETED SHELL, DOUBLE DECK EXTERNAL FLOATING ROOF, WITH A METALLIC SHOE PRIMARY SEAL, A RIM MOUNTED WIPER TYPE SECONDARY SEAL, AND A GUIDEPOLE WITH GASKETED COVER, FLOAT, WIPER, SLOTTED.

BY THE ADDITION OF A DOMED ROOF.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE OPERATOR SHALL USE THE EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LEL.
[RULE 463, 1178]
4. FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE EQUIPMENT INSTALLED/CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS AFTER CONSTRUCTION IS COMPLETE.
[RULE 1178]
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE CONDITIONS IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463, 1178, 40 CFR 63 SUBPART R]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
HAP/TOC:	40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 446894
Granted 10/06/2005**

Equipment Description:

MODIFICATION OF AN EXISTING STORAGE TANK PREVIOUSLY PERMITTED UNDER M13116
CONSISTING OF:

STORAGE TANK (NO. 80011), 117'-2"DIA. BY 42' H., 80,000 BBL CAPACITY, RIVETED SHELL, DOUBLE DECK EXTERNAL FLOATING ROOF, WITH A METALLIC SHOE PRIMARY SEAL, A RIM MOUNTED WIPER TYPE SECONDARY SEAL, AND A GUIDEPOLE WITH GASKETED COVER, POLE WIPER, POLE SLEEVE, POLE FLOAT AND POLE FLOAT WIPER, SLOTTED

BY THE ADDITION OF A DOMED ROOF.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE OPERATOR SHALL USE THE EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF DOES NOT EXCEED 30 PERCENT OF THE LEL.
[RULE 463, 1178]
4. FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE EQUIPMENT INSTALLED/CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS AFTER CONSTRUCTION IS COMPLETE.
[RULE 1178]
5. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE CONDITIONS IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463, 1178, 40 CFR 63 SUBPART R]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Periodic Monitoring: NONE

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
HAP/TOC:	40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 446922
Granted 12/26/2008**

Equipment Description:

STORAGE TANK NO. 80085, 115'-0" DIA. X 50'-0" H., STEEL PAN TYPE INTERNAL FLOATING ROOF, 80,000 BARREL CAPACITY, WELDED SHELL, WELDED DECK, WITH CATEGORY A, LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL AND CATEGORY A, RIM-MOUNTED SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPole EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER, DRAIN-DRY BREAKOUT TANK.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING ANY TIME WHEN THE TANK IS EMPTIED AFTER HAVING LAST CONTAINED A VOC WITH A REID VAPOR PRESSURE GREATER THAN 0.5 PSIA AND THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL MEET THE REQUIREMENTS REGARDING THE VENTING, DEGASSING, OR VAPOR TIGHT PROVISIONS OF RULE 1149 AS APPLICABLE.
[RULE 1149]
4. DURING REFILLING OPERATIONS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT/OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, 1303(a)(1)-BACT, 1401]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 463, 1178]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

6. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS AND ETHANOL NOT TO EXCEED A REID VAPOR PRESSURE OF 13.5 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(b)(2)-OFFSET, 1401]

7. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
[RULE 1149]

8. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463, 1149, 1178, 1303(b)(2)-OFFSET, 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART R]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

9. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO PROVIDE COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS.
[RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173 SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, 1303(a)(1)-BACT]
11. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173]
12. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 210 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 210 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 1173]
15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, 1303(b)(2)-OFFSET]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

16. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
VOC:	40 CFR 60 SUBPART Kb
HAP/TOC:	40 CFR 63 SUBPART R
HAP/TOC:	40 CFR 63 SUBPART EEEE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 446923
Granted 12/26/2008**

Equipment Description:

STORAGE TANK NO. 80088, 115'-0" DIA. X 50'-0" H., STEEL PAN TYPE INTERNAL FLOATING ROOF, 80,000 BARREL CAPACITY, WELDED SHELL, WELDED DECK, WITH CATEGORY A, LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL AND CATEGORY A, RIM-MOUNTED SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER, DRAIN-DRY BREAKOUT TANK.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING ANY TIME WHEN THE TANK IS EMPTIED AFTER HAVING LAST CONTAINED A VOC WITH A REID VAPOR PRESSURE GREATER THAN 0.5 PSIA AND THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL MEET THE REQUIREMENTS REGARDING THE VENTING, DEGASSING, OR VAPOR TIGHT PROVISIONS OF RULE 1149 AS APPLICABLE.
[RULE 1149]
4. DURING REFILLING OPERATIONS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT/OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, 1303(a)(1)-BACT, 1401]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 463, 1178]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

6. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS AND ETHANOL NOT TO EXCEED A REID VAPOR PRESSURE OF 13.5 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(b)(2)-OFFSET, 1401]

7. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
[RULE 1149]

8. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463, 1149, 1178, 1303(b)(2)-OFFSET, 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART R]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

9. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO PROVIDE COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS.
[RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173 SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, 1303(a)(1)-BACT]
11. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173]
12. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 210 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 210 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 1173]
15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, 1303(b)(2)-OFFSET]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

16. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
VOC:	40 CFR 60 SUBPART Kb
HAP/TOC:	40 CFR 63 SUBPART R
HAP/TOC:	40 CFR 63 SUBPART EEEE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 446926
Granted 12/26/2008**

Equipment Description:

STORAGE TANK NO. 80090, 115'-0" DIA. X 50'-0" H., STEEL PAN TYPE INTERNAL FLOATING ROOF, 80,000 BARREL CAPACITY, WELDED SHELL, WELDED DECK, WITH CATEGORY A, LIQUID-MOUNTED MECHANICAL SHOE PRIMARY SEAL AND CATEGORY A, RIM-MOUNTED SINGLE WIPER SECONDARY SEAL, WITH SLOTTED GUIDEPOLE EQUIPPED WITH GASKETED SLIDING COVER AND FLOAT SLEEVE WIPER, DRAIN-DRY BREAKOUT TANK.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. DURING ANY TIME WHEN THE TANK IS EMPTIED AFTER HAVING LAST CONTAINED A VOC WITH A REID VAPOR PRESSURE GREATER THAN 0.5 PSIA AND THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL MEET THE REQUIREMENTS REGARDING THE VENTING, DEGASSING, OR VAPOR TIGHT PROVISIONS OF RULE 1149 AS APPLICABLE.
[RULE 1149]
4. DURING REFILLING OPERATIONS, THIS TANK SHALL BE CONNECTED TO THE VAPOR RECOVERY AND/OR DISPOSAL SYSTEM WHICH IS IN OPERATION AND WHICH HAS BEEN ISSUED A PERMIT TO CONSTRUCT/OPERATE BY THE EXECUTIVE OFFICER. THIS TANK SHALL REMAIN CONTINUOUSLY CONNECTED UNTIL THE FLOATING ROOF OF THE TANK HAS BEEN REFLOATED OFF ITS LEGS.
[RULE 1149, 1303(a)(1)-BACT, 1401]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.
[RULE 463, 1178]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

6. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN THE 400,000 BARRELS PER CALENDAR MONTH WITH PETROLEUM PRODUCTS AND ETHANOL NOT TO EXCEED A REID VAPOR PRESSURE OF 13.5 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION: $0.14 \times D \times D \times L$, WHERE D IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND L IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER, THE ATLG SHALL BE REPAIRED AND PUT BACK INTO SERVICE WITHIN 10 DAYS. WHILE THE ATLG IS BEING REPAIRED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO THE DISCOVERY OF THE DISCREPANCY.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE HOURLY TANK LEVEL DATA AVERAGED FROM THE PREVIOUS 30 DAYS PRIOR TO TIME THAT THE ATLG WENT OUT OF SERVICE.

[RULE 1303(b)(2)-OFFSET, 1401]

7. THE DRAIN-DRY/REFILLING OR DEGASSING OPERATIONS OR OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT LIMITED TO, THE TANK IDENTIFICATION, TIME OF START AND FINISH OF OPERATION, TYPE OF PRODUCT STORED IN THE TANK BEFORE AND AFTER THE OPERATION.
[RULE 1149]

8. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463, 1149, 1178, 1303(b)(2)-OFFSET, 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART R]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

9. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO PROVIDE COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS.
[RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173 SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.
[RULE 1173, 1303(a)(1)-BACT]
11. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.
[RULE 1173]
12. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 210 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 210 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 1173]
15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.
[RULE 1173, 1303(b)(2)-OFFSET]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

16. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
VOC:	40 CFR 60 SUBPART Kb
HAP/TOC:	40 CFR 63 SUBPART R
HAP/TOC:	40 CFR 63 SUBPART EEEE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N R-449620
Granted 08/18/2008**

Equipment Description:

MODIFICATION OF BULK TERMINAL VAPOR COLLECTION AND DISPOSAL SYSTEM NO. 1 (PREVIOUSLY PERMITTED UNDER PERMIT TO CONSTRUCT 426349) CONSISTING OF:

1. VAPOR COLLECTION UNIT WITH A LIQUID KNOCKOUT DRUM, 3' DIA. X 7'6" H., AN INFLUENT DETONATION ARRESTOR, AND TWO 1.4 TO 50 H.P. VARIABLE FREQUENCY DRIVE VAPOR BLOWERS EQUIPPED WITH TANDEM SEALS WITH AN EXIT DETONATION ARRESTOR, COMMON TO VAPOR DISPOSAL SYSTEMS NOS. 1 AND 2 SERVING TANKS NO. 30081, 80001 THROUGH 80006, 80012, 80017, 80022, 80065, 80073 THROUGH 80080, 150051, 150062, 100057 THROUGH 100061, 100063 AND 100064.
2. VAPOR RECOVERY HEADER SERVING TANKS 9548, 25050, 178013 THROUGH 178016, AND SERVING FIVE LOADING RACKS, COMMON VAPOR DISPOSAL SYSTEMS NOS. 1 AND 2
3. VAPOR BLADDER TANK, WITH A VAPOR COMPRESSION/ ABSORPTION UNIT, COMMON TO VAPOR DISPOSAL SYSTEMS NOS. 1 AND 2
4. TWO (2) VAPOR HOLDING TANKS (NOS. 1 AND 2), EACH 22,000 CUBIC FEET, EACH WITH BLADDER HEIGHT MONITORING AND RECORDING SYSTEM, COMMON TO VAPOR DISPOSAL SYSTEMS NOS. 1 AND 2
5. CROSS-CONNECTION LINE AND SWITCHING VALVE TO VAPOR DISPOSAL SYSTEM NO. 2
6. THERMAL OXIDIZER (NO. 1), ENVIROPRO, FIRED ONLY ON VENT GAS FROM VAPOR HOLDING TANKS, 12'-0" DIA. 40'-0"H., WITH FOUR TWO-STAGE BURNERS, 78.8 MMBTU/HR, A CONTROL AND INSTRUMENTATION SYSTEM, PROPANE FIRED PILOTS

BY THE ADDITION OF

1. NEW CONNECTIONS BETWEEN VAPOR COLLECTION UNIT AND TANKS NOS. 80085, 80088, AND 80090.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

[RULE 204]

3. THIS EQUIPMENT SHALL VENT NO MORE THAN TWO TANKS IN DRAIN-DRY/REFILLING OR DEGASSING OPERATION AT ANY ONE TIME.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
4. THIS INCINERATOR SHALL BE IN OPERATION DURING DEGASSING OR DRAIN-DRY/REFILLING OPERATION OF A TANK IT SERVES.
[RULE 1149]
5. THE OPERATOR SHALL LIMIT THE FLOW RATE OF THE VENT GASES TO THIS EQUIPMENT TO NO MORE THAN 2100 STANDARD CUBIC FEET PER MINUTE. TO COMPLY WITH THIS CONDITION, THE OPERATOR SHALL INSTALL, MAINTAIN AND OPERATE A FLOW METER TO MONITOR AND RECORD THE FLOW RATE OF THE GASES SENT TO THE INCINERATOR AT LEAST ONCE EVERY MINUTE.
[RULE 1303(b)(2)-OFFSET]
6. KMLT SHALL MAINTAIN A SAMPLING AND TESTING FACILITY IN ACCORDANCE WITH RULE 217.
[RULE 217]
7. ANNUAL SOURCE TEST SHALL BE CONDUCTED TO DETERMINE DESTRUCTION EFFICIENCY OF THE UNIT, ACCORDING TO DISTRICT APPROVED TEST PROTOCOL. THE TEST DATA SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS FROM THE DATE THE TEST WAS CONDUCTED.
[RULE 462, 1149, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
8. THIS VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD FOR A MAXIMUM GASOLINE THROUGHPUT FOR THE FIVE LOADING RACKS

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

[RULE 462]

9. BLADDER NOS. 1 AND 2 SHALL NOT EXCEED A HEIGHT OF 32'-11" FOR MORE THAN FIVE MINUTES OR OTHER MAXIMUM HEIGHT AS SPECIFIED BY THE EXECUTIVE OFFICER IN WRITING. BLADDER HEIGHTS SHALL BE MONITORED AND RECORDED AS APPROVED BY THE EXECUTIVE OFFICER.
[RULE 204]
10. THE OPERATOR SHALL ENSURE THAT ALL RECORDING DEVICES ARE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.
[RULE 204]
11. THE OPERATOR SHALL NOTIFY THE EXECUTIVE OFFICER, WITHIN 24 HOURS, IN THE EVENT OF A CONTINUOUS MONITORING SYSTEM (CMS) OR RECORDER FAILURE OR SHUTDOWN WHICH EXCEEDS ONE HOUR. THE NOTIFICATION SHALL INCLUDE THE REASON AND LENGTH OF TIME FOR FAILURE OR SHUTDOWN, THE TIME THE SYSTEM WAS RETURNED TO OPERATION, TYPE OF MAINTENANCE OR CORRECTIVE WORK PERFORMED, AND ACTIONS TAKEN TO PREVENT FUTURE FAILURES. THE CMS AND RECORDER SHALL BE RESTORED TO NORMAL OPERATION WITHIN 96 HOURS OF FAILURE.
[RULE 462]
12. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE CONDITIONS IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 462, 1149, 1173, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET, 40 CFR 63 SUBPART R, 40 CFR 63 SUBPART EEEE]

Periodic Monitoring:

13. THIS INCINERATOR SHALL BE OPERATED AT A TEMPERATURE OF 1200 DEGREES FAHRENHEIT OR GREATER. THE TEMPERATURE OF THE THERMAL OXIDIZER SHALL BE MONITORED AND RECORDED AS APPROVED BY THE EXECUTIVE OFFICER.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]
14. THE OPERATOR SHALL INSTALL AND MAINTAIN THE THERMOCOUPLE AT A POSITION NOT LESS THAN 35 FEET ABOVEGROUND AND WITHIN THE EXHAUST STACK OF THE THERMAL OXIDIZER TO ACCURATELY MEASURE THE TEMPERATURE OF THE EXHAUST GAS.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]
15. THE OPERATOR SHALL INSTALL AND MAINTAIN A STRIP CHART RECORDER TO RECORD THE TEMPERATURE OF THE EXHAUST GASES IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPROVED RULE 462 PLAN (APPLICATION NO. 452201), UNLESS OTHERWISE NOTED BELOW. THE RANGE OF THE STRIP CHART RECORDER SHALL BE SET SUCH THAT THE REQUIRED TEMPERATURE OF THE THERMAL OXIDIZER IS BETWEEN 30% AND 90% FULL SCALE. A DIGITAL READOUT OF THE TEMPERATURE SHALL BE MAINTAINED IN A LOCATION ACCESSIBLE TO AQMD PERSONNEL.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

16. THE OPERATOR SHALL ENSURE THAT THE THERMOCOUPLE/CHART RECORDER IS PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES AND MEETS ALL APPLICABLE REQUIREMENTS OF 40CFR63.427.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]
18. THE OPERATOR SHALL CALIBRATE THE THERMOCOUPLE/CHART RECORDER ONCE A YEAR, IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, SUCH THAT THE OVERALL ACCURACY IS WITHIN +/- 1% OR +/- 2 DEGREES CELSIUS, WHICHEVER IS GREATER.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]

Emissions and Requirements:

19. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- | | |
|----------|--|
| CO: | 2000 PPM, RULE 407 |
| PM | RULE 404, SEE APPENDIX B FOR EMISSION LIMITS |
| PM: | 0.01 GRAINS/SCF, RULE 409 |
| SOX: | 500 PPMV, RULE 407 |
| VOC: | 0.08 LB/1000 GALLONS, RULE 462 |
| VOC: | 0.0565 LB/1000 GALLONS, RULE 1303(b)(1)-OFFSET |
| VOC: | 500 PPM, RULE 1149 |
| TOC/VOC: | 35 MG/L, 40 CFR 60 SUBPART XX |
| HAP/TOC: | 10 MG/L, 40 CFR 63 SUBPART R |
| HAP/TOC: | 40 CFR 63 SUBPART EEEE |

**THIS PERMIT TO CONSTRUCT A/N R-449620 SUPERCEDES PERMIT TO CONSTRUCT A/N 449620
ISSUED 8/18/08.**

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N R-449622
Granted 08/18/2008**

Equipment Description:

MODIFICATION OF BULK TERMINAL VAPOR COLLECTION AND DISPOSAL SYSTEM NO. 2 (PREVIOUSLY PERMITTED UNDER PERMIT TO CONSTRUCT 426350) CONSISTING OF:

1. VAPOR COLLECTION UNIT WITH A LIQUID KNOCKOUT DRUM, 3' DIA. X 7'6" H., AN INFLUENT DETONATION ARRESTOR, AND TWO 1.4 TO 50 H.P. VARIABLE FREQUENCY DRIVE VAPOR BLOWERS EQUIPPED WITH TANDEM SEALS WITH AN EXIT DETONATION ARRESTOR, COMMON TO VAPOR DISPOSAL SYSTEMS NOS. 1 AND 2 SERVING TANKS NO. 30081, 80001 THROUGH 80006, 80012, 80017, 80022, 80065, 80073 THROUGH 80080, 150051, 150062, 100057 THROUGH 100061, 100063 AND 100064.
2. VAPOR RECOVERY HEADER SERVING TANKS 9548, 25050, 178013 THROUGH 178016, AND SERVING FIVE LOADING RACKS, COMMON VAPOR DISPOSAL SYSTEMS NOS. 1 AND 2
3. VAPOR BLADDER TANK, WITH A VAPOR COMPRESSION/ ABSORPTION UNIT, COMMON TO VAPOR DISPOSAL SYSTEMS NOS. 1 AND 2
4. TWO (2) VAPOR HOLDING TANKS (NOS. 1 AND 2), EACH 22,000 CUBIC FEET, EACH WITH BLADDER HEIGHT MONITORING AND RECORDING SYSTEM, COMMON TO VAPOR DISPOSAL SYSTEMS NOS. 1 AND 2
5. CROSS-CONNECTION LINE AND SWITCHING VALVE TO VAPOR DISPOSAL SYSTEM NO. 1
6. THERMAL OXIDIZER (NO. 2), ENVIROPRO, FIRED ONLY ON VENT GAS FROM VAPOR HOLDING TANKS, 12'-0" DIA. 40'-0"H., WITH FOUR TWO-STAGE BURNERS OPERATING IN PRIMARY STAGE ONLY, 22.5 MMBTU/HR, A CONTROL AND INSTRUMENTATION SYSTEM, PROPANE FIRED PILOTS

BY THE ADDITION OF

1. NEW CONNECTIONS BETWEEN VAPOR COLLECTION UNIT AND TANKS NOS. 80085, 80088, AND 80090.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

[RULE 204]

3. THIS EQUIPMENT SHALL VENT NO MORE THAN TWO TANKS IN DRAIN-DRY/REFILLING OR DEGASSING OPERATION AT ANY ONE TIME.
[RULE 1303(a)(1)-BACT, RULE 1303(b)(2)-OFFSET]
4. THIS INCINERATOR SHALL BE IN OPERATION DURING DEGASSING OR DRAIN-DRY/REFILLING OPERATION OF A TANK IT SERVES.
[RULE 1149]
5. THE OPERATOR SHALL LIMIT THE FLOW RATE OF THE VENT GASES TO THIS EQUIPMENT TO NO MORE THAN 600 STANDARD CUBIC FEET PER MINUTE. TO COMPLY WITH THIS CONDITION, THE OPERATOR SHALL INSTALL, MAINTAIN AND OPERATE A FLOW METER TO MONITOR AND RECORD THE FLOW RATE OF THE GASES SENT TO THE INCINERATOR AT LEAST ONCE EVERY MINUTE.
[RULE 1303(b)(2)-OFFSET]
6. KMLT SHALL MAINTAIN A SAMPLING AND TESTING FACILITY IN ACCORDANCE WITH RULE 217.
[RULE 217]
7. ANNUAL SOURCE TEST SHALL BE CONDUCTED TO DETERMINE DESTRUCTION EFFICIENCY OF THE UNIT, ACCORDING TO DISTRICT APPROVED TEST PROTOCOL. THE TEST DATA SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS FROM THE DATE THE TEST WAS CONDUCTED.
[RULE 462, 1149, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET]
8. THIS VAPOR RECOVERY SYSTEM SHALL BE CERTIFIED BY THE CALIFORNIA AIR RESOURCES BOARD FOR A MAXIMUM GASOLINE THROUGHPUT FOR THE FIVE LOADING RACKS

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

[RULE 462]

9. BLADDER NOS. 1 AND 2 SHALL NOT EXCEED A HEIGHT OF 32'-11" FOR MORE THAN FIVE MINUTES OR OTHER MAXIMUM HEIGHT AS SPECIFIED BY THE EXECUTIVE OFFICER IN WRITING. BLADDER HEIGHTS SHALL BE MONITORED AND RECORDED AS APPROVED BY THE EXECUTIVE OFFICER.

[RULE 204]

10. THE OPERATOR SHALL ENSURE THAT ALL RECORDING DEVICES ARE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.

[RULE 204]

11. THE OPERATOR SHALL NOTIFY THE EXECUTIVE OFFICER, WITHIN 24 HOURS, IN THE EVENT OF A CONTINUOUS MONITORING SYSTEM (CMS) OR RECORDER FAILURE OR SHUTDOWN WHICH EXCEEDS ONE HOUR. THE NOTIFICATION SHALL INCLUDE THE REASON AND LENGTH OF TIME FOR FAILURE OR SHUTDOWN, THE TIME THE SYSTEM WAS RETURNED TO OPERATION, TYPE OF MAINTENANCE OR CORRECTIVE WORK PERFORMED, AND ACTIONS TAKEN TO PREVENT FUTURE FAILURES. THE CMS AND RECORDER SHALL BE RESTORED TO NORMAL OPERATION WITHIN 96 HOURS OF FAILURE.

[RULE 462]

12. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE CONDITIONS IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

[RULE 462, 1149, 1173, 1303(a)(1)-BACT, 1303(b)(2)-OFFSET, 40 CFR 63 SUBPART R, 40 CFR 63 SUBPART EEEE]

Periodic Monitoring:

13. THIS INCINERATOR SHALL BE OPERATED AT A TEMPERATURE OF 1200 DEGREES FAHRENHEIT OR GREATER. THE TEMPERATURE OF THE THERMAL OXIDIZER SHALL BE MONITORED AND RECORDED AS APPROVED BY THE EXECUTIVE OFFICER.

[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]

14. THE OPERATOR SHALL INSTALL AND MAINTAIN THE THERMOCOUPLE AT A POSITION NOT LESS THAN 35 FEET ABOVEGROUND AND WITHIN THE EXHAUST STACK OF THE THERMAL OXIDIZER TO ACCURATELY MEASURE THE TEMPERATURE OF THE EXHAUST GAS.

[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]

15. THE OPERATOR SHALL INSTALL AND MAINTAIN A STRIP CHART RECORDER TO RECORD THE TEMPERATURE OF THE EXHAUST GASES IN ACCORDANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPROVED RULE 462 PLAN (APPLICATION NO. 452201), UNLESS OTHERWISE NOTED BELOW. THE RANGE OF THE STRIP CHART RECORDER SHALL BE SET SUCH THAT THE REQUIRED TEMPERATURE OF THE THERMAL OXIDIZER IS BETWEEN 30% AND 90% FULL SCALE. A DIGITAL READOUT OF THE TEMPERATURE SHALL BE MAINTAINED IN A LOCATION ACCESSIBLE TO AQMD PERSONNEL.

[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

16. THE OPERATOR SHALL ENSURE THAT THE THERMOCOUPLE/CHART RECORDER IS PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES AND MEETS ALL APPLICABLE REQUIREMENTS OF 40CFR63.427.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]
17. THE OPERATOR SHALL CALIBRATE THE THERMOCOUPLE/CHART RECORDER ONCE A YEAR, IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, SUCH THAT THE OVERALL ACCURACY IS WITHIN +/- 1% OR +/- 2 DEGREES CELSIUS, WHICHEVER IS GREATER.
[RULE 1303(a)(1)-BACT, RULE 3004(a)(4)-PERIODIC MONITORING]

Emissions and Requirements:

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- | | |
|----------|--|
| CO: | 2000 PPM, RULE 407 |
| PM | RULE 404, SEE APPENDIX B FOR EMISSION LIMITS |
| PM: | 0.01 GRAINS/SCF, RULE 409 |
| SOX: | 500 PPMV, RULE 407 |
| VOC: | 0.08 LB/1000 GALLONS, RULE 462 |
| VOC: | 0.0565 LB/1000 GALLONS, RULE 1303(b)(1)-OFFSET |
| VOC: | 500 PPM, RULE 1149 |
| TOC/VOC: | 35 MG/L, 40 CFR 60 SUBPART XX |
| HAP/TOC: | 10 MG/L, 40 CFR 63 SUBPART R |
| HAP/TOC: | 40 CFR 63 SUBPART EEEE |

**THIS PERMIT TO CONSTRUCT A/N R-449622 SUPERCEDES PERMIT TO CONSTRUCT A/N 449622
ISSUED 8/18/08.**

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 460377
Granted 07/06/2007**

Equipment Description:

MODIFICATION OF AN EXISTING STORAGE TANK PREVIOUSLY PERMITTED UNDER M12937
CONSISTING OF:

STORAGE TANK (NO. 16034), 50' DIA. BY 48' H., 16,000 BBL CAPACITY, WELDED SHELL, DOUBLE DECK
EXTERNAL FLOATING ROOF, WITH A METALLIC SHOE PRIMARY SEAL, A WIPER TYPE SECONDARY
SEAL, GUIDEPOLE WITH GASKETED COVER, FLOAT, SLEEVE, WIPER, SLOTTED.

BY THE ADDITION OF A GEODESIC DOME ROOF.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA
AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS
ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING
CONDITION AT ALL TIMES.
[RULE 204]
4. THE OPERATOR SHALL USE THE EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON
CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL ROOF TANK DOES NOT
EXCEED 30 PERCENT OF THE LEL.
[RULE 463, 1178]
5. FINAL DRAWINGS AND/OR SPECIFICATIONS OF THE EQUIPMENT INSTALLED/CONSTRUCTED
SHALL BE SUBMITTED TO THE DISTRICT WITHIN 30 DAYS AFTER CONSTRUCTION IS
COMPLETE.
[RULE 1178]
6. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE
CONDITIONS IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR
AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS
AUTHORIZED REPRESENTATIVE UPON REQUEST.
[RULE 463, 1178, 40 CFR 63 SUBPART R]

Periodic Monitoring: NONE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

Emissions and Requirements:

- 7) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
HAP/TOC:	40 CFR 63 SUBPART R

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N 463461
Granted 01/30/2008**

Equipment Description:

MODIFICATION OF AN EXISTING STORAGE TANK PREVIOUSLY PERMITTED UNDER A/N C-23796 (M17087) CONSISTING OF:

STORAGE TANK (NO. 80019), 117'-2" DIA. BY 42'-10" H., 80,000 BBL CAPACITY, RIVETED SHELL, DOUBLE DECK EXTERNAL FLOATING ROOF, WITH A METALLIC SHOE TYPE PRIMARY SEAL, AND A RIM MOUNTED WIPER TYPE SECONDARY SEAL.

BY THE ADDITION OF A GEODESIC DOME.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THIS EQUIPMENT SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A VAPOR PRESSURE OF 569 MM HG (11 PSIA) OR GREATER UNDER ACTUAL STORAGE CONDITIONS.
[RULE 463]
4. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT:

THE OPERATOR SHALL USE AN EXPLOSIMETER TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE FLOATING ROOF TWICE A YEAR AT 4 TO 8 MONTH INTERVAL.

5. THE OPERATOR SHALL KEEP RECORDS, IN A MANNER APPROVED BY THE DISTRICT, FOR THE FOLLOWING PARAMETER(S) OR ITEM(S):

THROUGHPUT AND VAPOR PRESSURE OF STORED LIQUID

HYDROCARBON CONCENTRATION MEASUREMENTS DONE IN THE VAPOR SPACE ABOVE THE FLOATING ROOF OF THE TANK

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

OTHER RECORDS THAT MAY BE REQUIRED TO COMPLY WITH THE APPLICABLE REQUIREMENTS OF DISTRICT RULES 463, 1178, AND 40 CFR 63 SUBPART R.

RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

[RULE 463, 1178, 40 CFR 63 SUBPART R, 40 CFR 63 SUBPART EEEE]

Periodic Monitoring: NONE

Emissions and Requirements:

6. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1178
HAP/TOC:	40 CFR 63 SUBPART R
HAP/TOC:	40 CFR 63 SUBPART EEEE

FACILITY PERMIT TO OPERATE KINDER MORGAN LIQUID TERMINALS, LLC

PERMIT TO CONSTRUCT

**A/N R-475765
Granted 08/18/2008**

Equipment Description:

GROUNDWATER EXTRACTION AND TREATMENT SYSTEM CONSISTING OF:

1. 12 GROUNDWATER EXTRACTION WELLS
2. 12 WELL PUMPS, EACH ½ HP, 10 GPM
3. FLOW METER
4. OIL WATER SEPARATOR, WITH 100 GPM WATER DISCHARGE PUMP, VENTED TO RETOX AND/OR TWO CARBON ADSORBERS (VGAC-1, VGAC-2)
5. TWO (2) PRODUCT HOLDING TANKS, EACH 390 BBL CAPACITY, 38'-4" L. BY 8'-6"W., VENTED TO RETOX AND/OR TWO CARBON ADSORBERS (VGAC-1, VGAC-2)
6. SUMP, EMERGENCY, 1000 GALLON CAPACITY, COLLECTING SPILLS DURING PRODUCT TANK UNLOADING, VENTED TO RETOX
7. BAG FILTERS (BF-1, BF-2),
8. TANK (T-2), STRIPPER FEED EQUALIZATION, 10,000 GALLONS, CONTAINING LIQUIDS FROM OIL-WATER SEPARATOR PASSIVELY VENTED TO TWO CARBON ADSORBERS (VGAC-3, VGAC-4)
9. TWO (2) CARBON ADSORBERS (VGAC-1 & VGAC-2), ENVENT VSC-2000 OR EQUIVALENT, EACH CONTAINING 2000 LBS. OF ACTIVATED CARBON, LOCATED IN SERIES.
10. TWO (2) CARBON ADSORBERS (VGAC-3 & VGAC-4), ENVENT VSC-200 OR EQUIVALENT, EACH CONTAINING 200 LBS. OF ACTIVATED CARBON, LOCATED IN SERIES.
11. STRIPPER FEED PUMP (P-15), 3 HP, 100 GPM
12. FLOW METER
13. AIR STRIPPER (ME-2), DELTA S5-250FD, PACKED BED, 25'-0" PACKING BED DEPTH, WITH ANTI-SCALANT HOLDING TANK (T-3), CAUSTIC HOLDING TANK (T-4), ACID HOLDING TANK (T-5), 7.5 HP RECIRCULATION PUMP (P-17), 15 HP EFFLUENT PUMP (P-16), 25 HP AIR BLOWER (B-1), 8000 SCFM, 400 GPM, VENTED TO RETOX.
14. TANK (T-1), TREATED WATER HOLDING TANK, 15,000 GALLON

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15. REGENERATIVE THERMAL OXIDIZER (RETOX), ANGUIL, MODEL 50, 5000 SCFM, TWO-CHAMBER REACTOR, 1.5 MMBTU NATURAL GAS OR PROPANE FIRED BURNER, WITH A MINIMUM 30 FOOT STACK WITHOUT RAIN CAP.

Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.
[RULE 204]
3. THE MOST CURRENT CONTACT PERSON'S NAME, COMPANY AND PHONE NUMBER SHALL BE DISPLAYED IN A PERMANENT AND CONSPICUOUS LOCATION.
[RULE 204]
4. AN IDENTIFICATION TAG OR NAMEPLATE SHALL BE DISPLAYED ON THE EQUIPMENT TO SHOW THE MANUFACTURER, MODEL NUMBER AND SERIAL NUMBER. THE TAG(S) OR PLATE(S) SHALL BE ISSUED BY THE MANUFACTURER AND SHALL ADHERE TO THE EQUIPMENT IN A PERMANENT AND CONSPICUOUS POSITION.
[RULE 204]
5. THE OIL-WATER SEPARATOR, PRODUCT HOLDING TANKS, EMERGENCY SUMP, EQUALIZATION TANK, AND AIR STRIPPER SHALL BE VENTED TO AN OPERATING REGENERATIVE THERMAL OXIDIZER.
[RULE 1303(a)(1)-BACT, 1401, 40 CFR 63 SUBPART GGGGG]
6. DURING TRUCK LOADING/PRODUCT TANK UNLOADING, THE VAPOR RETURN LINE(S) FROM THE TRUCK(S) SHALL BE CONNECTED AND VENTED BACK TO THE PRODUCT TANKS.
[RULE 1303(a)(1)-BACT, 1401, 40 CFR 63 SUBPART GGGGG]
7. ALL VAPOR LINES AND DUCTS SHALL BE PROPERLY SEALED OR VENTED TO CARBON CANISTERS TO PREVENT UNCONTROLLED VAPORS FROM ENTERING THE ATMOSPHERE.
[RULE 1303(a)(1)-BACT, 1401, 40 CFR 63 SUBPART GGGGG]
8. A FLOW INDICATOR AND RECORDER SHALL BE INSTALLED AND MAINTAINED AT ALL INLET VAPOR STREAMS TO THE REGENERATIVE THERMAL OXIDIZER TO INDICATE THE TOTAL AIR FLOW RATE IN CUBIC FEET PER MINUTE (CFM). IF A PRESSURE SENSOR DEVICE IS USED IN PLACE OF THE FLOW INDICATOR, A CONVERSION CHART SHALL BE MADE AVAILABLE TO INDICATE THE CORRESPONDING FLOW RATE, IN CFM, TO THE PRESSURE READING.
[RULE 1303(b)(1)-OFFSET, 1401]
9. THE TOTAL INLET FLOW RATE TO THE REGENERATIVE THERMAL OXIDIZER SHALL NOT EXCEED 5000 SCFM.
[RULE 1303(b)(1)-OFFSET, 1401]

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10. A FLOW INDICATOR AND RECORDER SHALL BE INSTALLED AND MAINTAINED IN THE GROUNDWATER LINE PRIOR TO THE OIL-WATER SEPARATOR TO INDICATE THE TOTAL AMOUNT OF GROUNDWATER EXTRACTED FROM THE WELLS FOR TREATMENT.
[RULE 1303(a)(1)-BACT, 1401, 40 CFR 63 SUBPART GGGGG]
11. THE TOTAL INLET GROUNDWATER EXTRACTION RATE SHALL NOT EXCEED 100 GPM.
[RULE 1303(b)(1)-OFFSET, 1401]
12. A FLOW INDICATOR AND RECORDER SHALL BE INSTALLED AND MAINTAINED IN THE AIR STRIPPER FEED LINE, AFTER THE EQUALIZATION TANK, TO INDICATE THE TOTAL AMOUNT OF GROUNDWATER TREATED IN THE AIR STRIPPER.
[RULE 1303(a)(1)-BACT, 1401, 40 CFR 63 SUBPART GGGGG]
13. EMISSIONS FROM THE OUTLET OF THE VAPOR CONTROL SYSTEM SHALL NOT EXCEED THE FOLLOWING:
- | POLLUTANT | MASS RATE |
|-----------|--------------|
| VOC | 1.48 LB/HR |
| BENZENE | 0.0098 LB/HR |
| MTBE | 2.09 LB/HR |
- [RULE 1303(b)(2)-OFFSET, 1401]
14. EQUIPMENT SHUTDOWN INTERLOCKS SHALL BE PROVIDED FOR OXIDATION TEMPERATURES BELOW THE MINIMUM TEMPERATURES REQUIRED IN THIS PERMIT.
[RULE 1303(a)(1)-BACT, 1401]
15. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO THE TIME OF DAY.
[RULE 204]
16. THE OWNER OR OPERATOR SHALL DEMONSTRATE THAT THIS EQUIPMENT COMPLIES WITH RULE 1401 (AS AMENDED MARCH 7, 2008) USING SCAQMD PROCEDURES AND THE RESULTS OF THE PERFORMANCE TESTS.
[RULE 1401]
17. THIS EQUIPMENT SHALL ONLY EXHAUST THROUGH A STACK WITH A HEIGHT OF AT LEAST 30 FEET ABOVE GRADE.
[RULE 1401]
18. THE OWNER OR OPERATOR SHALL MEET THE APPLICABLE EMISSIONS LIMITATIONS FOR PROCESS VENTS, TANKS, SEPARATORS, AND CLOSED VENT SYSTEMS AND CONTROL DEVICES AS REQUIRED IN 40 CFR 63 SUBPART GGGGG FOR TOTAL HAP OR TOC (MINUS METHANE AND ETHANE).
[RULE 40 CFR 63 SUBPART GGGGG]
19. WITHIN 30 DAYS OF NOTIFICATION BY AQMD PERSONNEL THAT ADDITIONAL OFFSETS ARE NEEDED, KINDERMORGAN SHALL EITHER FILE AN APPLICATION TO MODIFY THE VAPOR RECOVERY SYSTEM OR PROVIDE EMISSION REDUCTION CREDITS.
[RULE 1303(b)(2)-OFFSET]

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20. THE OWNER OR OPERATOR SHALL DEVELOP AND IMPLEMENT A WRITTEN STARTUP, SHUTDOWN, AND MALFUNCTION PLAN (SSMP).
[RULE 40 CFR 63 SUBPART GGGGG]
21. RECORDS SHALL BE KEPT FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO AQMD PERSONNEL UPON REQUEST.
[RULE 1303(a)(1)-BACT, 1401, 40 CFR 63 SUBPART GGGGG]

Periodic Monitoring:

22. A CONTINUOUS TEMPERATURE MEASUREMENT AND RECORDING DEVICE SHALL BE MAINTAINED TO MEASURE THE OUTLET OF THE REGENERATIVE THERMAL OXIDIZER COMBUSTION CHAMBER. THE ACCURACY OF THE TEMPERATURE MONITORING DEVICE SHALL BE PLUS OR MINUS ONE DEGREE CELSIUS OR PLUS OR MINUS ONE PERCENT OF THE TEMPERATURE BEING MONITORED, WHICHEVER IS GREATER. THE RECORDER SHALL RECORD THE INSTANTANEOUS TEMPERATURE AT LEAST ONCE EVERY 15 MINUTES OR RECORD 15-MINUTE OR MORE FREQUENT BLOCK AVERAGES. IN ADDITION, THE RECORDING DEVICE SHALL RECORD HOURLY AVERAGE AND DAILY AVERAGE COMBUSTION CHAMBER TEMPERATURE.
[RULE 1303(a)(1)-BACT, 1401, 40 CFR 63 SUBPART GGGGG]
23. WHENEVER THE THERMAL OXIDIZER IS IN OPERATION, THE TEMPERATURE AT THE OUTLET OF THE COMBUSTION CHAMBER SHALL NOT BE LESS THAN 1400 DEGREES FAHRENHEIT AND THE DAILY AVERAGE TEMPERATURE SHALL BE MAINTAINED AT GREATER OR EQUAL TO THE TEMPERATURE ESTABLISHED DURING THE MOST RECENT PERFORMANCE TEST.
[RULE 1303(a)(1)-BACT, 1401, 40 CFR 63 SUBPART GGGGG]
24. THE OWNER OR OPERATOR SHALL PERFORM A PERFORMANCE TESTS WITHIN 180 DAYS OF STARTUP, AND ANNUALLY THEREAFTER, TO DEMONSTRATE COMPLIANCE WITH THE REQUIREMENTS OF 40 CFR 63 SUBPART GGGGG AND THE CONDITIONS OF THIS PERMIT. A WRITTEN PROTOCOL AND NOTIFICATION OF THE INITIAL TESTS SHALL BE SUBMITTED AT LEAST 60 DAYS BEFORE THE PERFORMANCE IS SCHEDULED TO BEGIN. RESULTS SHALL BE SUBMITTED WITHIN 60 DAYS OF COMPLETION OF THE TESTS. EACH PERFORMANCE TEST SHALL CONSIST OF THREE SEPARATE TEST RUNS, AND EACH RUN LASTING FOR AT LEAST ONE HOUR, USING APPROVED METHODS.
[RULE 1303(a)(1)-BACT, 1401, 40 CFR 63 SUBPART GGGGG, 3004(a)(1)-PERIODIC MONITORING]

Emissions and Requirements:

25. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- HAP/TOC: 40 CFR 63 SUBPART GGGGG

**THIS PERMIT TO CONSTRUCT A/N R-475765 SUPERCEDES PERMIT TO CONSTRUCT A/N 475765
ISSUED 8/18/08.**